

Addendum

December 4, 2001

Mr. Peter Gold
EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Dear Mr. Gold,

In response to your letter dated November 30, 2001, we have made the following changes to the Holmans Creek Total Maximum Daily Load (TMDL) report.

1. The TMDL now shows waste load allocations (WLA) for each facility discharging to the Creek. The total WLA was corrected from 0.021×10^{12} to 0.032×10^{12} counts/year in Tables ES-1 and 5-5. Table 3-1 was replaced by the table shown below. Also, the WLA was corrected from 5.7×10^7 counts/day to 8.7×10^7 counts/day in Table 5-1.

Permit VPDES	Receiving Stream	Category	Sub-watershed / Approximate Location	Discharge Volume	Fecal Coliform Limit (counts/100ml)	Annual Loading (counts/year)
Commercial						
VA0088285	Holmans Creek	STP ^{1,2}	HC2 Bowman Ag. Ent.	7,500	200	20.7E+9
Residential						
VAG401541	Holmans Creek, U.T.	SFH ³	HC1 SR 613	1,000	200	2.76E+9
VAG401958	Holmans Creek, U.T.	SFH	HC1 SR 613	1,000	200	2.76E+9
VAG401349	Holmans Creek	SFH	HC2 Forestville	1,000	200	2.76E+9
VAG401809	Holmans Creek	SFH	HC1 Moores Store	1,000	200	2.76E+9
Total						31.74E+9

1. Sewage Treatment Plant

2. The fecal coliform limit is based on the geometric mean

3. Single Family Home

2. The die-off equation on page 3-16 was corrected from $C = C_0 e^{-kt}$ to $C = C_0 e^{(-kt)}$
3. In section 1.2, the text was corrected to state that five VPDES dischargers are located in the watershed. Also, text on page ES-3 was changed from "Four point sources..." to accurately state "Five point sources..." On page 5-7, the reference to point sources now reads "...single industrial sewage treatment plant..." instead of "...single source..."
4. On page 1-3, the sentence "In effect,..." was changed to state that "...the EPA assessment guidelines accept a 10% exceedance of the instantaneous criterion to allow for inaccuracies during data collection. (VADEQ, 2000)." Also, the sentence referring to the instantaneous standard was re-written to state "The instantaneous, and most commonly used criterion, applies when fewer than two samples are taken in a 30-day period."

5. On page 6-7, the bracket following the last sentence was deleted.
6. The word "Draft" was removed from the front page. The line "Revised November 2001" was added under August 15, 2001 on the front page. Also, the footer was changed throughout the document to state "Final - November 2001" instead of "Draft – August 2001".

Regarding your questions about where the load allocation was calculated and how background was addressed in the TMDL,

1. The load allocations were calculated as edge-of-stream loads, and
2. Background was addressed explicitly in this TMDL by representing wildlife populations as discrete sources for fecal coliform bacteria.

A printed version of the final TMDL document is attached to this letter, as well as a ZIP disk containing all TMDL files. Please feel free to contact me at 804-698-4099 if you have any questions or comments.

Sincerely,

Jutta Schneider
VA Dept. of Environmental Quality

Attachments

Cc: Charles Martin, VADEQ
Charles Lunsford, VADCR
file